



**POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST  
AND REVOCATION OF PRIOR POWERS**

Honorable Commissioner of  
Patent and Trademarks  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

As Assignee of record of the entire right, title, and interest, the undersigned corporation **SAMSUNG ELECTRONICS CO., LTD.**, having a place of business at 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, 443-742, Republic of Korea, hereby revokes all previous powers of attorney and appoints the attorneys and/or agents of **Staas & Halsey LLP**, under USPTO Customer No. **21171**, to prosecute and transact all business in the U.S. Patent and Trademark Office for the following listed patent applications:

Docket No.	Serial No.	Filing Date	Recordation Date	Reel	Frame
1901.1335	11/072,492	3/7/2005	3/7/2005	16361	11
1901.1336	11/059,354	2/17/2005	2/17/2005	16286	674
1901.1337	11/066,428	2/28/2005	2/28/2005	16336	222
1901.1338	11/120,983	5/4/2005	5/4/2005	16533	752
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1901.1340	11/125,076	5/10/2005	5/10/2005	16545	817
1901.1341	11/401,223	4/11/2006	4/11/2006	17782	757
1901.1362	10/717,621	11/21/2003	2/11/2003	13753	110
1901.1363	10/366,348	2/14/2003	2/14/2003	13777	363
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1901.1365D	11/717,197	3/13/2007	1/17/2003	13679	587
1901.1366	10/305,070	11/27/2002	1/17/2003	14225	100
1901.1367	10/305,123	11/27/2002	2/11/2003	13753	110
1905.1016	11/336,837	1/23/2006	1/23/2006	17503	223
1905.1017	11/353,955	2/15/2006	3/22/2006	17715	344
1907.1268	11/761,875	6/12/2007	6/13/2007	1945.3	408
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1907.1270	11/762,128	6/13/2007	6/13/2007	19453	396
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1907.1273	11/782,294	7/24/2007	7/25/2007	19646	601
1907.1274	11/872,280	10/15/2007	12/27/2007	20331	807
1907.1275	11/829,303	7/27/2007	7/27/2007	19669	592
1907.1276	11/924,917	10/26/2007	10/29/2007	20058	982
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1907.1278	11/837,894	8/13/2007	8/15/2007	19732	470
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1907.1281	11/939,210	11/13/2007	11/14/2007	20149	80
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1911.1189	11/652,051	1/11/2007	1/11/2007	18798	637
1911.1190	11/923,971	10/25/2007	10/26/2007	20053	21
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1911.1200	12/056,793	3/27/2008	3/31/2008	20792	134
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1911.1207	12/058,919	3/31/2008	4/8/2008	20792	106
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2093.1026	12/081,986	4/24/2008	5/16/2008	20989	335
2093.1027	12/103,929	4/16/2008	4/18/2008	20854	373
1901.1361	10/402,998	4/1/2003	4/1/2003	13926	837
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1901.1359	10/931,132	9/1/2004	9/1/2004	15763	324
1901.1358	11/024,815	12/30/2004	12/30/2004	16134	241
1905.1018	11/098,535	4/5/2005	4/5/2005	16452	470
1901.1357	11/073,686	3/8/2005	3/8/2005	16364	225
1901.1342	10/927,241	8/27/2004	6/22/2005	16384	973
1901.1343	11/076,284	3/10/2005	3/10/2005	16375	658
1901.1344	10/734,160	12/15/2003	12/15/2003	14795	163
1901.1345	10/735,894	12/16/2003	5/24/2004	15364	95
1901.1346	10/388,749	3/17/2003	5/22/2003	14094	590
1901.1347D	11/524,316	9/21/2006	3/26/2003	13893	927
1901.1348	10/305,065	11/27/2002	1/22/2003	14169	443
1901.1349	11/390,337	3/28/2006	1/16/2003	13666	707
1901.1350	10/305,164	11/27/2002	2/10/2003	13747	675
1901.1351	11/835,907	8/8/2007	12/20/2002	13600	89
1901.1352	11/302,150	12/14/2005	12/14/2005	17371	98
1901.1353	11/882,869	8/6/2007	8/6/2007	19719	796
1901.1354	11/002,431	12/3/2004	3/11/2005	15891	295
1907.1283	11/342,701	1/31/2006	1/31/2006	17531	358
1907.1284	11/348,301	2/7/2006	2/7/2006	17549	144
1907.1285	11/340,693	1/27/2006	1/27/2006	17515	893
1907.1286	11/330,343	1/12/2006	1/12/2006	17473	676
1907.1287	10/704,597	11/12/2003	11/12/2003	14702	473
1907.1288	10/701,494	11/6/2003	11/6/2003	14685	682
1907.1289	10/753,403	1/9/2004	6/16/2004	15471	893
1907.1290	10/721,271	11/26/2003	11/26/2003	14749	446
1901.1355	10/378,391	11/2/2004	11/2/2004	15952	193

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All correspondence and telephone communication should be directed to:

**STAAS & HALSEY LLP**  
1201 New York Avenue, N.W., 7<sup>th</sup> Floor  
Washington, D.C. 20005  
Telephone: (202) 434-1500  
Facsimile: (202) 434-1501

USPTO Customer No. 21171

**ASSIGNEE CERTIFICATION**

The undersigned Assignee further states that the registered attorneys and/or agents, identified in the new power of attorney above, are empowered and authorized to sign the statement(s) and certification(s) under 37 C.F.R. § 3.73(b) on behalf of the Assignee. Attached to this power is/are "CERTIFICATE(S) UNDER 37 C.F.R. §3.73(b)".

Date: 5/18/2009  
Month-Day-Year Format

Signature:   
Name: Dr. Kyungok Wun-Kim

Title: Group Leader  
Intellectual Property Prosecution Group  
Samsung Electronics Co.  
(Samsung Advanced Institute of Technology)